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DECLARATION AND POWE	R Attorn	ey Docket No.	S5-001							
OF ATTORNEY FORUTILIT		lamed Inventor I	iu							
OR DESIGNIAN 207	2004	COM	IPLETE IF KNOW	VN						
PATENT APPLICATION	Applic	ation Serial Number 1	0/643,752							
☐ Declaration ☐ Declaration	Filing	Date A	August 19, 2003							
Submitted with Submitted after Initi	al Group	Art Unit 1	Not yet assigned							
Initial Filing Filing (surcharge	Exami	ner Name 1	Not yet assigned							
37 CFR 1.16(e) requ	uired)									
As a below named inventor, I hereby declar										
My residence, mailing address, and citizenship				tata ta ana di Garlana 1						
I believe I am the original, first and sole inventionames are listed below) of the subject matter v	tor (if only one r vhich is claimed	name is listed below) or air and for which a patent is	sought on the inver	ntion entitled:						
		MOLECULAR FUNCT								
	(Title	of the Invention)	· · · · · · · · · · · · · · · · · · ·							
the specification of which										
is attached hereto OR										
was filed on 08/19/2003 as United States Application Serial Number or PCT International (MM/DD/YYYY)										
Application Number 10/643,752	and was ame	nded on (MM/DD/YYYY)		(if applicable).						
I hereby state that I have reviewed and underst any amendment specifically referred to above.	tand the contents	of the above-identified a	pplication, includin	g the claims, as amended by						
I acknowledge the duty to disclose to the Pater 1.56, including for continuation-in-part applic of the prior application and the national or PC	ations, material i	nformation known by me	which became ava-	ilable between the filing date						
I hereby claim foreign priority benefits under	35 U.S.C. 119(a)	-(d) or (f), or 365(b) of an	y foreign applicati	on(s) for patent, or inventor's						
certificate(s), or 365(a) of any PCT internation America, listed below and have also identified	below, by check	cing the box, any foreign a	application for pate	nt, or inventor's						
certificate(s), or of any PCT international appl	ication having a	filing date before that of	he application on v	which priority is claimed.  Certified Copy Attached?						
Prior Foreign Application Number(s) Co	untry	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	YES NO						
·										
Additional foreign application numb	ers are listed on	a supplemental priority d	ata sheet attached h	lereto.						
I hereby claim the benefit under 35 U.S.C. 119										
Application Serial Number(s)	Filing D	ate (MM/DD/YYYY)		,						
60/404,395		08/19/2002								
60/419,667		10/18/2002								
60/432,812		12/11/2002 02/04/2003		·						
60/444,770 60/457,789		03/26/2003								
60/457,789		05/12/2003	,							
60/479,494		06/18/2003								

Declaration and Power of Attorney for Utility or Design Patent Application Serial No. 10/643,752

Atty. Docket No. LS5-001

Page 2 of 5

#### DECLARATION - Utility or Design Patent Application I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c), of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application. Parent Filing Date Parent Patent Number U.S. Parent Application or PCT Parent (MM/DD/YYYY) (if applicable) Serial Number Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet attached hereto. As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent Place Customer and Trademark Office connected therewith: Customer Number Number Bar Code Label Here Registered practitioner(s) name/registration number listed below Registration Registration Number Number Name Name Andrew F. Abramson 52,538 Duncan A. Greenhalgh 38,678 31,481 William R. Haulbrook 53,002 Steven M. Bauer Mark L. Beloborodov Ira V. Heffan 50,773 41,059 Douglas J. Kline John V. Bianco 36,748 35,574 M. Brad Lawrence Robert S. Blasi 50,389 47,210 William A. Meunier Michael H. Brodowski 41,640 41,193 Jennifer A. Camacho 43,526 Thomas C. Meyers 36,989 Joseph A. Capraro, Jr. 36,471 Jennifer G. Moitoso 51,752 Fangli Chen 51,551 Ronda P. Moore 44,244 Christopher H. Chung 50,351 Jeremy P. Oczek 50,794 John J. Cotter 38,116 Jamie H. Rose 45,054 James C. De Vellis 52,814 Christopher W. Stamos 35,370 Robert V. Donahoe 46,667 Diana M. Steel 43,153 Brian A. Fairchild 48,645 Robert J. Tosti 35,393 James E. Faikowski 54,089 Thomas A. Turano 35,722 Jason P. Fiorillo 52.892 Natasha C. Us 44,381 Christine C. Vito John V. Forcier 42,545 39,061 Steven J. Frank 33,497 Daniel A. Wilson 45,508 Kia L. Freeman 47,577 Gerald E. Worth 45,238 Brian M. Gaff 44,691 Edward A. Gordon 54,130 Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto. Direct all correspondence to: Patent Administrator Testa, Hurwitz & Thibeault, LLP High Street Tower 125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000

Fax No.: (617) 248-7100

Name of Sole or First Inv	entor:	ntor: A petition has been filed for this unsigned inventor									
Given Name	(first a	nd middle [if ar	ny])			Family	y Name	or Surname			
David R.					Liu						
Inventor's Signature	£	シェス	., 2	5		Date 10/3			e <b>3</b> 0/03		
Residence	City Lexington State MA Country US					US		Citizenship	US		
Mailing Address	1 Fox	Run Lane				•					
Mailing Address (ln. 2)	City	Lexington	State	MA	ZIP	02420	Coun	itry	US		
Additional inventors a	re beinį	g named on the	su	pplementa	l Additional I	nventor(s) she	et(s) at	tached hereto.			
Name of Additional Join	t Invent	or, if any:		A petition	has been filed	for thi	is unsigned in	ventor			
Given Name (first and middle [if any])					Family Name or Surname						
Zev J.	Gartner										
Inventor's Signature						Dat			,		
Residence	City	Somerville	State	MA	Country	US	•	Citizenship	US		
Mailing Address	66 Dir	nick Street, #1			•	•			•		
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Coun	itry	US		
Name of Additional Join	t Invent	tor, if any:			☐ A petiti	ion has been fi	led for	this unsigned	inventor		
	e (first a	nd middle [if ar	ny])			Family	y Name	or Surname			
Jeffrey B.					Doyon						
Inventor's Signature							Date				
Residence	City	Allston	State	MA	Country	US		Citizenship	US		
Mailing Address	71 Alc	lie Street, #3	•		•	•			•		
Mailing Address (ln. 2)	City	Allston	State	MA	ZIP	02134	Country		US		

Name of Additional Joint Inventor, if any:					A petition has been filed for this unsigned inventor						
Given Name	e (first a	ınd middle [if an	y])			Family	Name o	or Surna	ame		
Christopher T.					Calderone						
Inventor's Signature					Date				·		
Residence	City	Cambridge	State	MA	Country	US	JS Citi			US	
Mailing Address	6 Plyr	nouth Street, #1									
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Count	ry		US	
Name of Additional Join	t Inven	tor, if any:		A petition has been filed for this unsigned inventor							
	(first a	ind middle [if an	y])			Family	/ Name	or Surna	ame		
Matthew W.					Kanan						
Inventor's Signature				·			Date				
Residence	City	Cambridge	State	MA	Country	US		Citizens	ship	US	
Mailing Address	44 La	ngdon Street	et								
Mailing Address (ln. 2)	City	Cambridge	State MA ZIP 02138 Country US						US		
Name of Additional Join	tor, if any:			☐ A petit	ion has been fi	led for the	his unsig	gned	inventor		
Given Name	(first a	ınd middle [if an	y])			Family	Name o	or Surna	ame		
Xiaoyu					Li		`.				
Inventor's Signature							Date				
Residence	City	Cambridge	State	MA	Country	US	Citizensh		eople China	's Republic of	
Mailing Address	22 Ma	arcella Street, #3	3								
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Count	гу		US	
Name of Additional Join	t Inven	tor, if any:			☐ A petit	ion has been fi	led for t	his unsi	gned	inventor	
Given Name	e (first a	ind middle [if an	y])			Family	Name o	or Surna	ame		
Thomas M.					Snyder						
Inventor's Signature							Date				
Residence	City	Cambridge	State	MA	Country	US		Citizens	ship	US	
Mailing Address	70 Ki	rkland Street, #	9								
Mailing Address (In. 2)	City	Cambridge	State	MA	ZIP	02138	Count	ry		US	

Name of Additional Join	Name of Additional Joint Inventor, if any:				A petition has been filed for this unsigned inventor						
Given Name	e (first a	ınd middle [if ar	y])		Family Name or Surname						
Daniel M.		,			Rosenbaum						
Inventor's Signature							Date				
Residence	City	Somerville	State	MA	Country	US		Citizens	ship	US .	
Mailing Address	69 Be	69 Beacon Street, #3									
Mailing Address (In. 2)	City	Somerville	State	MA	ZIP	02143	Coun	itry		US	

### Express Mail Mailing Label No. EL932952135US

	ECLARATION A	ND POWER	Attorne	ey Docket No.	LS5-001	<del></del> _	-		
	F ATSORNEY FO	R UTILITY	First N	amed Inventor	Liu				
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Tr.	PARENT APPLI	CATION	Applic	ation Serial Number	10/643,752				
☐ De	eclaration 🛛 Deci	aration	Filing !	Date .	August 19, 2003				
Sul	bmitted with Subm	itted after Initial	Group	Art Unit	Not yet assigned				
Ini	itial Filing Filing	(surcharge	Exami	ner Name	Not yet assigned				
	37 CF	R 1.16(e) requir	ed)						
	elow named inventor, I l	_	•						
•	sidence, mailing address, a								
I believ	ve I am the original, first	and sole inventor	(if only one n	ame is listed below) or	an original, first and	joint inventor (if plation antitled:	lural		
names	are listed below) of the su					nuon entitied:			
		EVC	LVING NEW	MOLECULAR FUN	CTION				
<u> </u>			(Title	of the Invention)		•			
the spe	ecification of which								
	is attached hereto OR			•					
was filed on (MM/DD/YYYY)  08/19/2003 as United States Application Serial Number or PCT International									
		43,752	and was amer	ided on (MM/DD/YYY	n	(if applicable)			
	by state that I have review nendment specifically refe		d the contents	of the above-identified	d application, includir	ng the claims, as am	ended b		
1.56. ii	owledge the duty to discle including for continuation prior application and the	in-part applicati	ons, material i	nformation known by	ne which became ava	ilable between the	in 37 CI filing da		
I hereb	by claim foreign priority b	enefits under 35	U.S.C. 119(a)	-(d) or (f), or 365(b) or	any foreign applicati	on(s) for patent, or	invento		
certific	cate(s), or 365(a) of any P ica, listed below and have	CT international	application w	hich designated at leas	t one country other the	an the United States	s of		
certific	cate(s), or of any PCT inte	rnational applica	ation having a	filing date before that	of the application on v	which priority is cla	imed.		
	Foreign Application			Foreign Filing Da	te Priority	Certified Copy A	Attache		
	Number(s)	Coun	itry	(MM/DD/YYYY	Not Claimed	YES	NO		
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П	Additional foreign app	lication number	s are listed on	a supplemental priorit	data sheet attached h	nereto.	<u></u>		
I hereb	by claim the benefit under								
	Application Serial Num			ate (MM/DD/YYYY)					
	60/404,395			08/19/2002					
	60/419,667	, ]		10/18/2002					
	60/432,812			12/11/2002		•			
	60/444,770			02/04/2003					
	60/457,789			03/26/2003	·				
	60/469,866			05/12/2003					
	60/479,494			06/18/2003					

Declaration and Power of Attorney for Utility or Design Patent Application Serial No.  $\,10/643,752$ 

Atty. Docket No. LS5-001 Page 2 of 5

# DECLARATION - Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c), of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.										
U.S. Parent Application of			Parent Filing Date			ent Patent Number				
Serial Numb	er	(	(MM/DD/YYYY)		(if applicable)					
	*									
Additional U.S. or PCT internation	onal application numbers	are listed on	a supplemental priority	data sheet att	tached here	to.				
As a named inventor, I hereby appoin and Trademark Office connected ther	t the following registered rewith: Customer N OR Registered p	practitioners umber practitioner(		ation and to t	transact all	business in the Patent Place Customer Number Bar Code Label Here				
Registration Registration Name Number Name Number										
<u> </u>										
Andrew F. Abramson Steven M. Bauer Mark L. Beloborodov John V. Bianco Robert S. Blasi Michael H. Brodowski Jennifer A. Camacho Joseph A. Capraro, Jr. Fangli Chen Christopher H. Chung John J. Cotter James C. De Vellis Robert V. Donahoe Brian A. Fairchild James E. Fajkowski Jason P. Fiorillo John V. Forcier Steven J. Frank Kia L. Freeman Brian M. Gaff Edward A. Gordon	52,538 31,481 50,773 36,748 50,389 41,640 43,526 36,471 51,551 50,351 38,116 52,814 46,667 48,645 54,089 52,892 42,545 33,497 47,577 44,691 54,130		Duncan A. Greenha William R. Haulbro Ira V. Heffan Douglas J. Kline M. Brad Lawrence William A. Meunie Thomas C. Meyers Jennifer G. Moitoso Ronda P. Moore Jeremy P. Oczek Jamie H. Rose Christopher W. Stat Diana M. Steel Robert J. Tosti Thomas A. Turano Natasha C. Us Christine C. Vito Daniel A. Wilson Gerald E. Worth	r O	53,00 41,05 35,57 47,21 41,19 36,98 51,75 44,24 50,79 45,05 35,37 43,15 35,39 35,72 44,38 39,06 45,50	38,678 53,002 41,059 35,574 47,210 41,193 36,989 51,752 44,244 50,794 45,054 35,370 43,153 35,393 35,722 44,381 39,061 45,508 45,238				
Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.  Direct all correspondence to:  Patent Administrator Testa, Hurwitz & Thibeault, LLP High Street Tower 125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100										

Name of Sole or First Inv	ventor:			A	petition has b	een filed for th	is unsig	gned inventor		
Given Name	e (first a	nd middle [if an	y])			Family	Name	or Surname		
David R.					Liu					
Inventor's Signature			-				Date			
Residence	City	Lexington	State	MA	Country	US		Citizenship	US	
Mailing Address	1 Fox	Run Lane	1							
Mailing Address (ln. 2)	City Lexington State MA				ZIP	02420	Coun	try	US	
Additional inventors a	are being	named on the	SI	ıpplementa	l Additional I	nventor(s) shee	et(s) att	ached hereto.		
Name of Additional Join	t Invent	tor, if any:			☐ A petition	has been filed	l for thi	s unsigned in	ventor	
Given Nam		Family Name or Surname								
Zev J.				1 1	Gartner					
Inventor's Signature	/	Gu V		K			Date	10.3	,0.3	
Residence	City	Somerville	State	MA	Country	US		Citizenship	US	
Mailing Address	66 Dir	nick Street, #1	<u> </u>							
Mailing Address (ln. 2)	/City	Somerville	State	MA	ZIP	02143	Coun	try	US	
Name of Additional Join	t Invent	tor, if any:			☐ A petit	ion has been fi	led for	this unsigned	inventor	
Given Name	e (first a	nd middle [if an	ny])			Family	/ Name	or Surname		
Jeffrey B.					Doyon					
Inventor's Signature			,				Date			
Residence	City	Allston	State	MA	Country	US		Citizenship	US	
Mailing Address	71 Alc	lie Street, #3	<del></del>	·						
Mailing Address (ln. 2)	City	Allston	State	MA .	ZIP	02134	Coun	try	US	

Name of Additional Join	me of Additional Joint Inventor, if any:				A petition has been filed for this unsigned inventor					
Given Nam	e (first a	and middle [if an	y])			Famil	y Name or S	urname		
Christopher T.				•	Calderone					
Inventor's Signature					Date			·		
Residence	City	Cambridge	State	MA	Country	US	Citi	zenship	US	
Mailing Address	6 Plyi	mouth Street, #1	]							
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Name of Additional Join	t Inven	tor, if any:		☐ A petit	tion has been fi			l inventor		
	e (first a	and middle [if an	y])			Famil	y Name or S	urname		
Matthew W.					Kanan					
Inventor's Signature							Date			
Residence	City	Cambridge	State	MA	Country	US	Citi	zenship	US	
Mailing Address	44 La	44 Langdon Street							-	
Mailing Address (ln. 2)	City	Cambridge	State	State MA ZIP 02138 Country US						
Name of Additional Join	tor, if any:			☐ A petit	ion has been fi	led for this	ınsigned	l inventor		
Given Name	e (first a	and middle [if an	<u>y</u> ])			Family	y Name or S	urname		
Xiaoyu					Li			- <del></del>		
Inventor's Signature							Date			
Residence	City	Cambridge	State	MA	Country	US	Citizenship	Peopl China	e's Republic of	
Mailing Address	22 Ma	arcella Street, #3	3					-		
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Country		US	
Name of Additional Join	t Inven	tor, if any:			☐ A petit	ion has been fi	led for this u	ınsigned	inventor	
Given Name	(first a	ınd middle [if any	<u>y])                                    </u>		·	Family	y Name or S	urname		
Thomas M.					Snyder		••			
Inventor's Signature				.*			Date			
Residence	City	Cambridge	State	MA	Country	US	Citiz	zenship	US	
Mailing Address	70 Ki	rkland Street, #9	9							
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Country		US	

Name of Additional Join	Name of Additional Joint Inventor, if any:				A petition has been filed for this unsigned inventor							
Given Nam	e (first	and middle [if a	ny])		. Family Name or Surname							
Daniel M.					Rosenbaum	1 -				•		
Inventor's Signature				-	- <del> </del>		Date					
Residence	City	Somerville	State	MA	Country	US	Ci	tizenship	US			
Mailing Address	69 Be	69 Beacon Street, #3										
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Country		US			

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DECLARATIONA	POWER	Attorn	ey Docket No.	LS5	-001					
OF ATTORNEY FO	R UTILITY	First N	Vamed Inventor	Liu						
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PATENT APPLI	CATION	Applic	cation Serial Number	10/6	43,752		-			
☐ Declaration ☐ Dec	aration	Filing	Filing Date August 19, 2			t 19, 2003				
Submitted with Subm	itted after Initial	Group	Art Unit	Not	yet assigned	_				
Initial Filing Filing	(surcharge	Exami	ner Name	Not	yet assigned					
37 CF	R 1.16(e) required)									
As a below named inventor, I hereby declare that:										
My residence, mailing address,										
I believe I am the original, first a names are listed below) of the st	and sole inventor (it	f only one i	name is listed below) or and for which a patent	r an or is sou	iginal, first and ght on the inven	joint inventor (if ntion entitled:	plural			
	EVOL	VING NEV	W MOLECULAR FUNC	CTION	4					
(Title of the Invention)										
the specification of which										
is attached hereto OR										
	08/19/2003		as United States Appli	ication	Serial Number	or PCT Internati	onal			
Application Number 10/6	43,752 an	d was ame	nded on (MM/DD/YYYY	Y) [		(if applicabl	'e).			
I hereby state that I have review any amendment specifically refe	ed and understand trred to above.	he contents	s of the above-identified	d appli	cation, includin	g the claims, as a	amended by			
I acknowledge the duty to disclo 1.56, including for continuation of the prior application and the	in-part applications	s, material	information known by r	me wh	ich became avai	ilable between th	d in 37 CFR e filing date			
I hereby claim foreign priority b certificate(s), or 365(a) of any P America, listed below and have	CT international ap also identified belo	plication w w, by checl	hich designated at least king the box, any foreig	t one c on appl	country other that lication for pate	an the United Sta nt, or inventor's	tes of			
certificate(s), or of any PCT inte	rnational application	n having a	Foreign Filing Dat	of the	application on v	Certified Copy	v Attached?			
Prior Foreign Application Number(s)	Country	<u> </u>	(MM/DD/YYYY)		Not Claimed	YES	NO			
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I hereby claim the benefit under Application Serial Num		t any Unite	ed States provisional ap ate (MM/DD/YYYY)	plicati	on(s) listed belo	ow.				
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U.S. Parent Application o Serial Numbe			arent Filing Date MM/DD/YYYY)		Par	ent Patent Number (if applicable)				
Additional U.S. or PCT internation	onal application numbers a	re listed on a	supplemental priority d	lata sheet atta	ched here	eto.				
As a named inventor, I hereby appoin	As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:  Customer Number  OR  Registered practitioner(s) name/registration number listed below									
			r manoregistration in		7					
	Registration	1				Registration				
Name	Number		Name	1 1	20.6	Number				
Andrew F. Abramson Steven M. Bauer Mark L. Beloborodov John V. Bianco Robert S. Blasi Michael H. Brodowski Jennifer A. Camacho Joseph A. Capraro, Jr. Fangli Chen Christopher H. Chung John J. Cotter James C. De Vellis Robert V. Donahoe Brian A. Fairchild James E. Fajkowski Jason P. Fiorillo John V. Forcier Steven J. Frank Kia L. Freeman Brian M. Gaff Edward A. Gordon	52,538 31,481 50,773 36,748 50,389 41,640 43,526 36,471 51,551 50,351 38,116 52,814 46,667 48,645 54,089 52,892 42,545 33,497 47,577 44,691 54,130		Duncan A. Greenha William R. Haulbro Ira V. Heffan Douglas J. Kline M. Brad Lawrence William A. Meunier Thomas C. Meyers Jennifer G. Moitoso Ronda P. Moore Jeremy P. Oczek Jamie H. Rose Christopher W. Star Diana M. Steel Robert J. Tosti Thomas A. Turano Natasha C. Us Christine C. Vito Daniel A. Wilson Gerald E. Worth	r ·	38,6 53,0 41,0 35,5 47,2 41,1 36,9 51,7 44,2 50,7 45,0 35,3 35,3 35,7 44,3 39,0 45,5 45,2	02 59 74 10 93 889 552 44 94 54 70 53 93 22 81 61				
Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.										
Direct all correspondence to:	Patent Administra Testa, Hurwitz & High Street Towe 125 High Street Boston, MA 021 Tel. No.: (617) 24 Fax No.: (617) 24	Thibeault, er 10 48-7000	LLP							

Name of Sole or First Inv	entor:		<u>.</u>	☐ A <u>r</u>	etition has b	een filed for th	is unsi	gned inventor		
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David R.					Liu					
Inventor's Signature							Date		-	
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Mailing Address	1 Fox	Run Lane								
Mailing Address (ln. 2)	City Lexington State MA				ZIP	02420	Coun	itry	US	
Additional inventors a	re being	g named on the	Sl	ipplemental	Additional I	nventor(s) shee	et(s) at	tached hereto.		
Name of Additional Join	or, if any:		[	A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])					Family Name or Surname					
Zev J.					Gartner				•	
Inventor's Signature		•				Date				
Residence	City	Somerville	State	MA	Country	US		Citizenship	US	
Mailing Address	66 Dir	nick Street, #1								
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Cour	itry	US	
Name of Additional Join	t Invent	tor, if any:			☐ A petit	ion has been fi	led for	this unsigned	inventor	
Given Name	e (first a	nd middle [if ar	ny])			Family	y Name	or Surname		
Jeffrey B.					Doyon			•		
Inventor's Signature							Date		30-03	
Residence	City	Allston	State	MA	Country	US		Citizenship	US	
Mailing Address	71 Alc	lie Street, #3								
Mailing Address (ln. 2)	City	Allston	State	MA	ZIP	ZIP 02134 Country		ntry	US	

Name of Additional Join	t Inven	tor, if any:			A petition has been filed for this unsigned inventor						
Given Nam	e (first a	and middle [if an	ıyl)			Famil	ly Name	or Surnai	ne		
Christopher T.			7.4/		Calderone		<b>2</b>				
Inventor's Signature							Date		•		
Residence	City	Cambridge	State	MA	Country	US		Citizensl	ip	US	
Mailing Address	6 Ply	mouth Street, #1	1 ·								
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	·Count	try		US	
Name of Additional Join	t Inven	tor, if any:			☐ A petit	ion has been f	iled for t	this unsig	ned	inventor	
Given Name	e (first a	and middle [if an	y])			Famil	y Name	or Surnar	ne		
Matthew W.					Kanan						
Inventor's Signature	_	a					Date				
Residence	City	Cambridge	State	MA	Country	US		Citizensh	ip	US	
Mailing Address	44 La	ngdon Street				-1.					
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Count	ry		US	
Name of Additional Join	t Inven	tor, if any:			☐ A petit	ion has been f	iled for t	his unsig	ned	inventor	
Given Name	(first a	and middle [if an	y])			Famil	y Name	or Surnar	ne		
Xiaoyu					Li						
Inventor's Signature							Date				
Residence	City	Cambridge	State	MA	Country	US	Citizensl		ople ina	's Republic of	
Mailing Address	22 Ma	arcella Street, #	3				,				
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Count	ry		US	
Name of Additional Join	t Inven	tor, if any:			☐ A petiti	ion has been f	iled for t	his unsig	ned	inventor	
Given Name	(first a	ınd middle [if an	y])			Famil	y Name	or Surnar	ne		
Thomas M.					Snyder						
Inventor's Signature							Date				
Residence	City	Cambridge	State	MA	Country	US		Citizensh	ip	US	
Mailing Address	70 Ki	rkland Street, #	9	· · · · · · · · · · · · · · · · · · ·	1	<u> </u>					
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Count	ry		US	

Name of Additional Join	ıt Inven	tor, if any:			A petir	tion has bee	n filed for t	his unsigned	inventor
Given Nam	e (first	and middle [if a	ny])			Fa	mily Name	or Surname	
Daniel M.				•	Rosenbaum	1			
Inventor's Signature					<u> </u>		Date	<u>.</u>	
Residence	City	Somerville	State	MA	Country	US		Citizenship	US .
Mailing Address	69 Be	acon Street, #3	3	1			<u>L</u>		
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Count	ry	US

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DECLARAT	ION ND POWER	Attorney Docket No.	LS5-001
	NEY FOR UTILITY	First Named Inventor	Liu
OF	R DESIGN .	·	OMPLETE IF KNOWN
PATENT	APPLICATION	Application Serial Number	10/643,752
☐ Declaration	□ Declaration	Filing Date	August 19, 2003
Submitted with	Submitted after Initial	Group Art Unit	Not yet assigned
Initial Filing	Filing (surcharge	Examiner Name	Not yet assigned
	37 CFR 1.16(e) required)		

37 CF	R 1.16(e) required)						
							<del></del>
As a below named inventor, I h	ereby declare that:				•		
My residence, mailing address, a							
I believe I am the original, first a names are listed below) of the su	and sole inventor (if on abject matter which is	ly one n	ame is listed below) or and for which a patent	an or	iginal, first and ght on the inven	joint inventor (if tion entitled:	plural
	EVÖLVIN	IG NEW	MOLECULAR FUNC	CTION	1		
		(Title	of the Invention)			•	
the specification of which							
is attached hereto							
OR  ⊠ was filed on  (MM/DD/YYYY)	08/19/2003		as United States Appli	cation	Serial Number	or PCT Internati	onal
Application Number 10/6	43,752 and v	vas amer	nded on (MM/DD/YYYY	Y) [		(if applicabl	e).
I hereby state that I have reviewed any amendment specifically refe	ed and understand the rred to above.	contents	of the above-identified	d appli	cation, includin	g the claims, as a	nmended by
I acknowledge the duty to disclo 1.56, including for continuation of the prior application and the r	in-part applications, n	naterial i	nformation known by i	me wh	ich became avai	ilable between th	d in 37 CFR e filing date
I hereby claim foreign priority be certificate(s), or 365(a) of any Po America, listed below and have certificate(s), or of any PCT inte	enefits under 35 U.S.C CT international application identified below.	cation wheels	-(d) or (f), or 365(b) of hich designated at least ting the box, any foreign	f any for t one con appl	oreign application ountry other that it is a contract of the c	on(s) for patent, an the United Stant, or inventor's	tes of
Prior Foreign Application	mational application p	uving u	Foreign Filing Dat	te	Priority	Certified Cop	y Attached?
Number(s)	Country		(MM/DD/YYYY)	)	Not Claimed	YES	NO
Additional foreign app	olication numbers are l	isted on	a supplemental priority	y data	sheet attached h	ereto.	
I hereby claim the benefit under	35 U.S.C. 119(e) of at	ny Unite	d States provisional ap	plicati	on(s) listed belo	ow.	
Application Serial Numl	ber(s)	iling Da	ate (MM/DD/YYYY)		┨.		
60/404,395			08/19/2002				
60/419,667			10/18/2002	•			
60/432,812			12/11/2002				
60/444,770			02/04/2003				
60/457,789			03/26/2003	•			
60/469,866			05/12/2003				
60/479,494			06/18/2003			_	

Declaration and Power of Attorney for Utility or Design Patent Application

Serial No. 10/643,752 Atty. Docket No. LS5-001

Page 2 of 5

#### DECLARATION – Utility or Design Patent Application I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c), of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application. Parent Patent Number Parent Filing Date U.S. Parent Application or PCT Parent (if applicable) Serial Number (MM/DD/YYYY) Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet attached hereto. As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent Place Customer and Trademark Office connected therewith: Customer Number Number Bar Code OR Label Here Registered practitioner(s) name/registration number listed below Registration Registration Number Name Number Name 52,538 Duncan A. Greenhalgh 38,678 Andrew F. Abramson 53,002 31,481 William R. Haulbrook Steven M. Bauer 41,059 Ira V. Heffan Mark L. Beloborodov 50,773 Douglas J. Kline 36,748 35,574 John V. Bianco 50,389 M. Brad Lawrence 47,210 Robert S. Blasi 41,640 William A. Meunier 41,193 Michael H. Brodowski 43,526 Thomas C. Meyers 36,989 Jennifer A. Camacho 36,471 Jennifer G. Moitoso 51,752 Joseph A. Capraro, Jr. 51,551 Ronda P. Moore 44,244 Fangli Chen Christopher H. Chung Jeremy P. Oczek 50,794 50,351 Jamie H. Rose 45,054 38,116 John J. Cotter Christopher W. Stamos 35,370 James C. De Vellis 52,814 46,667 Diana M. Steel 43,153 Robert V. Donahoe Brian A. Fairchild 48,645 Robert J. Tosti 35,393 Thomas A. Turano James E. Fajkowski 54,089 35,722 44,381 52,892 Natasha C. Us Jason P. Fiorillo 39,061 42,545 Christine C. Vito John V. Forcier Steven J. Frank Daniel A. Wilson 45,508 33,497 Kia L. Freeman 47,577 Gerald E. Worth 45,238 44,691 Brian M. Gaff Edward A. Gordon 54,130 ☐ Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto. Direct all correspondence to: Patent Administrator Testa, Hurwitz & Thibeault, LLP High Street Tower 125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100

Name of Sole or First Inv	entor:			☐ A;	petition has b	een filed for th	is unsi	gned inventor	
Given Name	(first a	nd middle [if a	ny])			Family	Name	or Surname	
David R.	,				Liu				
Inventor's Signature						•	Date		
Residence	City	Lexington	State	MA	Country	US	·	Citizenship	US
Mailing Address	1 Fox	Run Lane					•		
Mailing Address (ln. 2)	City	Lexington	State	MA	ZIP	02420	Coun	try	US
Additional inventors a	re being	named on the	sı	ipplemental	Additional l	Inventor(s) shee	et(s) at	tached hereto.	
Name of Additional Join	t Invent	or, if any:		. [	A petition	n has been filed	for th	is unsigned in	ventor
Given Nam	ne (first	and middle [if a	ny])			Famil	y Nam	e or Surname	
Zev J.					Gartner				
Inventor's Signature							Date		
Residence	City	Somerville	State	MA	Country	US		Citizenship	US
Mailing Address	66 Dir	nick Street, #1			<del>\</del>				
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Coun	itry	US
Name of Additional Join	t Invent	or, if any:			☐ A petit	ion has been fi	led for	this unsigned	inventor
Given Name	e (first a	nd middle [if a	ıy])			Family	/ Name	or Surname	
Jeffrey B.					Doyon				
Inventor's Signature			-				Date		
Residence	City	Allston	State	MA	Country	US		Citizenship	US
Mailing Address	71 Alc	lie Street, #3	•			<del></del>			
Mailing Address (ln. 2)	City	Allston	State	MA	ZIP	02134	Cour	ntry	US

Name of Additional Join	t Inven	tor, if any:			☐ A petit	tion has been fi	led for this	ınsigned	linventor		
Given Name	e (first	and middle [if ar	iy])			Famil	y Name or S	urname			
Christopher T.					Calderone						
Inventor's Signature	(	un a	<b>,</b>				Date	10/	10/30/03		
Residence	City	Cambridge	State	MA	Country	US	Citi	zenship	US		
Mailing Address	6 Ply	mouth Street, #	1 .				4				
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Country		US		
Name of Additional Join	t Inven	tor, if any:			☐ A petit	tion has been fi	led for this 1	ınsigned	inventor		
Given Name	e (first a	and middle [if an	y])			Famil	y Name or S	urname			
Matthew W.					Kanan						
Inventor's Signature					***		Date				
Residence	City	Cambridge	State	MA	Country	US	Citi	zenship	US		
Mailing Address	44 La	ngdon Street					•				
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Country		US		
Name of Additional Join	t Inven	tor, if any:			A petition has been filed for this unsigned inventor						
Given Name	e (first a	and middle [if an	<u>y])</u>			Family	Name or S	urname	,		
Xiaoyu					Li						
Inventor's Signature							Date				
Residence	City	Cambridge	State	MA	Country	US	Citizenship	People China	e's Republic of		
Mailing Address	22 M	arcella Street, #	3								
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Country		US		
Name of Additional Join	t Inven	tor, if any:			☐ A petit	ion has been fi	led for this u	nsigned	inventor		
Given Name	e (first a	and middle [if an	y])			Family	Name or S	urname			
Thomas M.					Snyder						
Inventor's Signature							Date		-		
Residence	City	Cambridge	State	MA	Country	US	Citiz	enship	US		
Mailing Address	70 Ki	rkland Street, #	9								
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Country		US		

Name of Additional Join	nt Inven	itor, if any:			A petit	tion has been	n filed for th	nis unsigned	inventor
Given Nam	ne (first	and middle [if a	ny])			Far	nily Name o	or Surname	
Daniel M.			•		Rosenbaum	1			
Inventor's Signature				<u>, , , , , , , , , , , , , , , , , , , </u>			Date		
Residence	City	Somerville	State	MA	Country	US	(	Citizenship	US .
Mailing Address	69 Be	acon Street, #3	3		<u> </u>				
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Countr	у	US

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DECLARAT	TION AND POWER	Attorney Docket No.	LS5-001
*	NEY FOR UTILITY	First Named Inventor	Liu
OH	R DESIGN JAN 2 0 2004	C	OMPLETE IF KNOWN
PATENT	APPLICATION	Application Serial Number	10/643,752
☐ Declaration	□ Declaration	Filing Date	August 19, 2003
Submitted with	Submitted after Initial	Group Art Unit	Not yet assigned
Initial Filing	Filing (surcharge	Examiner Name	Not yet assigned
	37 CFR 1.16(e) required)		
As a below named in	nventor, I hereby declare that:		·
My residence, mailin	g address, and citizenship are as s	stated below next to my name.	
I believe I am the ori names are listed belo	ginal, first and sole inventor (if or w) of the subject matter which is	nly one name is listed below) o claimed and for which a patent	r an original, first and joint inventor (if plural is sought on the invention entitled:
	EVOLVI	NG NEW MOLECULAR FUN	CTION

As a below named inventor, I l	hereby declar	e that:		•	_
My residence, mailing address, a	and citizenship	are as stated be	low next to my name.		
I believe I am the original, first a names are listed below) of the su	and sole inven abject matter v	tor (if only one n	name is listed below) or an o and for which a patent is so	original, first and ught on the inver	joint inventor (if plural ation entitled:
	E	VOLVING NEW	MOLECULAR FUNCTIO	ON .	
		(Title	of the Invention)		
the specification of which					
is attached hereto OR				٠	
	08/19/2	003	as United States Application	on Serial Number	or PCT International
Application Number 10/6	43,752	and was amer	nded on (MM/DD/YYYY)		(if applicable).
I hereby state that I have review any amendment specifically refe		and the contents	of the above-identified app	lication, includin	g the claims, as amended by
I acknowledge the duty to disclo 1.56, including for continuation of the prior application and the	-in-part applic	ations, material i	information known by me w	hich became ava	ilable between the filing date
I hereby claim foreign priority b certificate(s), or 365(a) of any P America, listed below and have	enefits under a CT internation	35 U.S.C. 119(a) al application w below, by check	h-(d) or (f), or 365(b) of any hich designated at least one king the box, any foreign ap	foreign applicati country other the plication for pate	on(s) for patent, or inventor's an the United States of nt, or inventor's
certificate(s), or of any PCT inte Prior Foreign Application	rnational appl	ication having a	Foreign Filing Date	Priority	Certified Copy Attached?
Number(s)	Co	untry	(MM/DD/YYYY)	Not Claimed	YES NO
Additional foreign app	olication numb	ers are listed on	a supplemental priority data	a sheet attached h	ereto.
I hereby claim the benefit under	35 U.S.C. 119	(e) of any Unite	d States provisional applica	tion(s) listed belo	ow.
Application Serial Num	ber(s)	Filing Da	ate (MM/DD/YYYY)	4.	
60/404,395			08/19/2002		,
60/419,667			10/18/2002		
60/432,812			12/11/2002		
60/444,770			02/04/2003		•
60/457,789			03/26/2003		
60/469,866			05/12/2003		
60/479,494			06/18/2003		

			TD . TD .	4 4	п•
DECLAR	RATION - U	tility o	r Design Paten	t App	olication
I hereby claim the benefit under 35 U United States of America, listed belo States or PCT International application which is material to patentability as of PCT international filing date of this a	w and, insofar as the subject on in the manner provided lefined in 37 CFR 1.56 wh	ct matter of e	ach of the claims of this applica aragraph of 35 U.S.C. 112, I ack	tion is not nowledge	disclosed in the prior United the duty to disclose information
U.S. Parent Application of Serial Number	or PCT Parent		arent Filing Date MM/DD/YYYY)		Parent Patent Number (if applicable)
☐ Additional U.S. or PCT internation				t attached	
As a named inventor, I hereby appoin and Trademark Office connected then			to prosecute this application and	to transac	Place Customer Number Bar Code Label Here
	Registered p	ractitioner(s	) name/registration number l	isted belo	ow .
	Registration	1			Registration
Name	Number		Name		Number
Andrew F. Abramson Steven M. Bauer Mark L. Beloborodov John V. Bianco Robert S. Blasi Michael H. Brodowski Jennifer A. Camacho Joseph A. Capraro, Jr. Fangli Chen Christopher H. Chung John J. Cotter James C. De Vellis Robert V. Donahoe Brian A. Fairchild James E. Fajkowski Jason P. Fiorillo John V. Forcier Steven J. Frank Kia L. Freeman Brian M. Gaff Edward A. Gordon	52,538 31,481 50,773 36,748 50,389 41,640 43,526 36,471 51,551 50,351 38,116 52,814 46,667 48,645 54,089 52,892 42,545 33,497 47,577 44,691 54,130		Duncan A. Greenhalgh William R. Haulbrook Ira V. Heffan Douglas J. Kline M. Brad Lawrence William A. Meunier Thomas C. Meyers Jennifer G. Moitoso Ronda P. Moore Jeremy P. Oczek Jamie H. Rose Christopher W. Stamos Diana M. Steel Robert J. Tosti Thomas A. Turano Natasha C. Us Christine C. Vito Daniel A. Wilson Gerald E. Worth	5 4 3 4 4 3 5 4 4 3 3 4 4 3 4 4 3 4 4 4 4	8,678 3,002 1,059 5,574 7,210 1,193 6,989 1,752 4,244 0,794 5,054 5,370 3,153 5,393 5,722 4,381 9,061 5,508 5,238
Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.					
Direct all correspondence to:	Patent Administr Testa, Hurwitz & High Street Towe 125 High Street Boston, MA 021 Tel. No.: (617) 24	Thibeault, er  10 48-7000	LLP		

Name of Sole or First Inv	entor:		<del></del>		etition has b	een filed for th	is unsig	gned inventor	1
Given Name	(first a	nd middle [if ar	ıy])			Family	Name	or Surname	
David R.	<u> </u>			]	Liu .				
Inventor's Signature							Date	-	
Residence	City	Lexington	State	MA	Country	US		Citizenship	US
Mailing Address	1 Fox	Run Lane	· · · · · · · · · · · · · · · · · · ·						
Mailing Address (ln. 2)	City	Lexington	State	MA	ZIP	02420	Coun	try	US
☐ Additional inventors a	re being	named on the	su	pplemental	Additional I	nventor(s) shee	et(s) att	ached hereto	•
Name of Additional Joint	t Invent	or, if any:			A petition	n has been filed	for thi	s unsigned ir	ventor
Given Nam	e (first	and middle [if a	ıny])			Famil	y Name	e or Surname	
Zev J.					Gartner				
Inventor's Signature							Date		
Residence	City	Somerville	State	MA	Country	US		Citizenship	US
Mailing Address	66 Dir	nick Street, #1	J.,,,,				-		
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Coun	try	US
Name of Additional Joint	t Invent	or, if any:			☐ A petit	ion has been fi	led for	this unsigned	l inventor
Given Name	(first a	nd middle [if a	ny])			Family	Name	or Surname	
Jeffrey B.	•			. 1	Doyon				
Inventor's Signature				~ •			Date		· · · · · · · · · · · · · · · · · · ·
Residence	City	Allston	State	MA	Country	US		Citizenship	US
Mailing Address	71 Ald	lie Street, #3	<u> </u>						
Mailing Address (ln. 2)	City	Allston	State	MA	ZIP	02134	Coun	try	US

Name of Additional Join	t Inven	tor, if any:			.A petit	ion has been	filed for	this un	nsigned	inventor
Given Nam	e (first	and middle [if ar	ıvl)			Fami	ly Name	or Su	mame	
Christopher T.					Calderone	•.				
Inventor's Signature				~			Date			
Residence	City	Cambridge	State	MA	Country	US		Citize	enship	US
Mailing Address	6 Ply	mouth Street, #	1							
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Coun	try		US
Name of Additional Join	t Inven	tor, if any:			☐ A petit	ion has been i	filed for	this un	signed	inventor
	e (first a	and middle [if an	iy])			Fami	ly Name	or Sur	mame	
Matthew W.					Kanan					
Inventor's Signature		NSVI	7/k	_			Date 10/30/	<i>1</i> 03		,
Residence	City	Cambridge	State	MA	Country	US		Citize	nship	US
Mailing Address	44 La	ngdon Street								
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Count	try		US
Name of Additional Join	t Inven	tor, if any:			☐ A petiti	ion has been f	filed for	this un	signed	inventor
	and the second	tor, if any: and middle [if an	y])		☐ A petiti		filed for t			inventor
	and the second	CALLED TO SECURITION OF THE SE	y])		☐ A petiti					inventor
Given Name	and the second	CALLED TO SECURITION OF THE SE	y])							inventor
Given Name Xiaoyu	and the second	CALLED TO SECURITION OF THE SE	y]) State	MA	Li	Famil	ly Name	or Sur	name	inventor
Given Name Xiaoyu Inventor's Signature	City	and middle [if an	State	MA	Li	Famil	ly Name Date	or Sur	People	
Given Name Xiaoyu Inventor's Signature Residence	City	and middle [if an	State	MA	Li	Famil	ly Name Date	or Sur	People	
Given Name Xiaoyu  Inventor's Signature  Residence  Mailing Address	City  22 Ma City	Cambridge arcella Street, #	State 3		Li Country ZIP	Famil	Date Citizens Count	or Sur	People China	s's Republic of
Given Name Xiaoyu  Inventor's Signature  Residence  Mailing Address  Mailing Address (ln. 2)  Name of Additional Joint	City  City  City  City  City  City	Cambridge arcella Street, #	State 3		Li Country ZIP	Famil US  02141  on has been f	Date Citizens Count	or Sur	People China	s's Republic of
Given Name Xiaoyu  Inventor's Signature  Residence  Mailing Address  Mailing Address (ln. 2)  Name of Additional Joint	City  City  City  City  City  City	Cambridge arcella Street, # Cambridge tor, if any:	State 3		Li Country ZIP	Famil US  02141  on has been f	Date Citizens Count	or Sur	People China	s's Republic of
Given Name Xiaoyu  Inventor's Signature  Residence  Mailing Address  Mailing Address (In. 2)  Name of Additional Joint  Given Name	City  City  City  City  City  City	Cambridge arcella Street, # Cambridge tor, if any:	State 3		Country  ZIP  A petiti	Famil US  02141  on has been f	Date Citizens Count	or Sur	People China	s's Republic of
Given Name Xiaoyu  Inventor's Signature  Residence  Mailing Address  Mailing Address (In. 2)  Name of Additional Joint  Given Name Thomas M.	City  City  City  City  City  City	Cambridge arcella Street, # Cambridge tor, if any:	State 3		Country  ZIP  A petiti	Famil US  02141  on has been f	Date Citizens Count Count Date Date	or Sur	People China signed	s's Republic of
Given Name Xiaoyu  Inventor's Signature  Residence  Mailing Address  Mailing Address (In. 2)  Name of Additional Joint  Given Name Thomas M.  Inventor's Signature	City  City  City  City  City  City  City	Cambridge arcella Street, # Cambridge tor, if any:	State 3 State y])	MA	Country  ZIP  A petiti	Famil  US  02141  fon has been f  Famil	Date Citizens Count Count Date Date	or Sur	People China signed	's Republic of US inventor

Name of Additional Joint Inventor, if any:				·	☐ A petit	tion has been	filed for	this unsi	igned	inventor	
Given Name (first and middle [if any])					Family Name or Surname						
Daniel M.	•					Rosenbaum					7.
Inventor's Signature	ľ			1		Date	;				
Residence	City	Somerville	State	MA	Country	US		Citizens	ship	US	
Mailing Address	69 Be	59 Beacon Street, #3									
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Cou	ntry		US	

DECLARATION A	ND POWER	Attorno	y Docket No.	LS5-00	1						
OF ATTORNEY FO	OIPE	First N	amed Inventor	Liu							
OR DESIG	GN JAN 2 0 2004	27 3	·	OMPLET	E IF KNOW	VN .					
PATENT APPLI	CARION	Applic	ation Serial Number	10/643,	752 .						
☐ Declaration. ☐ Dec	CATION RANFMARM	Filing	Date	August	19, 2003						
Submitted with Subm	itted after Initial	Group	Art Unit	Not yet	assigned	·					
Initial Filing Filing	g (surcharge	Examir	er Name	Not yet	assigned						
· 37 CI	R 1.16(e) required)			•							
As a below named inventor, I hereby declare that:											
My residence, mailing address, and citizenship are as stated below next to my name.											
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:											
EVOLVING NEW MOLECULAR FUNCTION											
(Title of the Invention)											
the specification of which											
is attached hereto											
OR  ⊠ was filed on  (MM/DD/YYYY)	08/19/2003		as United States Appli	cation Se	rial Number	or PCT International					
Application Number 10/6	643,752 and v	was amer	ded on (MM/DD/YYYY	n		(if applicable).					
I hereby state that I have review any amendment specifically refe		contents	of the above-identified	l applicat	ion, includin	g the claims, as amended by					
I acknowledge the duty to disclo	-in-part applications, n	naterial in	nformation known by n	ne which	became avai	lable between the filing date					
of the prior application and the	national or PCT interna	ational fi	ing date of the continu	ation-in-	part applicat	ion.					
I hereby claim foreign priority to certificate(s), or 365(a) of any P America, listed below and have	CT international application also identified below.	cation wl	nich designated at least ing the box, any foreign	one cour n applica	ntry other that tion for pater	in the United States of int, or inventor's					
certificate(s), or of any PCT into	ernational application h	aving a	filing date before that o	f the app	lication on w	which priority is claimed.					
Prior Foreign Application Number(s)	Country		Foreign Filing Date (MM/DD/YYYY)		Priority t Claimed	Certified Copy Attached? YES NO					
			•								
Additional Consists on	lplication numbers are 1	istad on	s supplemental priority	dota che	et attached h	ereto					
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.  Application Serial Number(s) Filing Date (MM/DD/YYYY)											
60/404,395			08/19/2002								
60/419,667			10/18/2002	• •							
60/432,812			12/11/2002								
60/444,770			02/04/2003								
60/457,789			03/26/2003								
60/469,866			05/12/2003								
60/479,494	ļ		06/18/2003								

DECLARATION – Utility or Design Patent Application									
I hereby claim the benefit under 35 U United States of America, listed below States or PCT International application which is material to patentability as d PCT international filing date of this a	w and, insofar as the subje on in the manner provided lefined in 37 CFR 1.56 wh	ect matter of e	each of the claims of this application aragraph of 35 U.S.C. 112, I act	ation is no knowledg	ot disclosed in the prior United e the duty to disclose information				
U.S. Parent Application o Serial Numbe			arent Filing Date MM/DD/YYYY)		Parent Patent Number (if applicable)				
Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet attached hereto.									
As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:  Customer Number  OR  Place Customer  Number Bar Code  Label Here									
		ractitioner(s	s) name/registration number	listed be	L				
	Registration				Registration				
Name	Number		Name		Number				
Andrew F. Abramson Steven M. Bauer Mark L. Beloborodov John V. Bianco Robert S. Blasi Michael H. Brodowski Jennifer A. Camacho Joseph A. Capraro, Jr. Fangli Chen Christopher H. Chung John J. Cotter James C. De Vellis Robert V. Donahoe Brian A. Fairchild James E. Fajkowski Jason P. Fiorillo John V. Forcier Steven J. Frank Kia L. Freeman Brian M. Gaff Edward A. Gordon	52,538 31,481 50,773 36,748 50,389 41,640 43,526 36,471 51,551 50,351 38,116 52,814 46,667 48,645 54,089 52,892 42,545 33,497 47,577 44,691 54,130		Duncan A. Greenhalgh William R. Haulbrook Ira V. Heffan Douglas J. Kline M. Brad Lawrence William A. Meunier Thomas C. Meyers Jennifer G. Moitoso Ronda P. Moore Jeremy P. Oczek Jamie H. Rose Christopher W. Stamos Diana M. Steel Robert J. Tosti Thomas A. Turano Natasha C. Us Christine C. Vito Daniel A. Wilson Gerald E. Worth		38,678 53,002 41,059 35,574 47,210 41,193 36,989 51,752 44,244 50,794 45,054 35,370 43,153 35,373 35,722 44,381 39,061 45,508 45,238				
Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.									
Direct all correspondence to:  Patent Administrator Testa, Hurwitz & Thibeault, LLP High Street Tower 125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100									

Name of Sole or First Inv	ventor:			□ A p	etition has b	tition has been filed for this unsigned inventor					
Given Name	e (first a	nd middle [if ar	y])			Family	/ Name	or Surname			
David R.	1				Liu						
Inventor's Signature							Date				
Residence	City	Lexington	State	MA	Country	US .		Citizenship	US		
Mailing Address	1 Fox	Fox Run Lane									
Mailing Address (ln. 2)	City	City Lexington State MA ZIP 02420						try	US		
Additional inventors a	re being	named on the	SU	et(s) att	ached hereto	).					
AND THE RESIDENCE OF THE PROPERTY OF THE PROPE						n has been filed	l for thi	s unsigned i	nventor		
Given Name (first and middle [if any])					<u> </u>	Famil	ly Nam	e or Surnam			
Zev J.					Gartner						
Inventor's Signature					Date						
Residence	City	Somerville	State	MA	Country	US		Citizenship	US		
Mailing Address	66 Dir	nick Street, #1	·								
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Coun	try	US .		
Name of Additional Join	t Invent	or, if any:			☐ A petit	ion has been fi	led for	this unsigne	inventor		
Given Name	e (first a	nd middle [if ar	y])			Family	Name	or Surname			
Jeffrey B.					Doyon						
Inventor's Signature							Date				
Residence	City	Allston	State	MA	Country	US		Citizenship	US		
Mailing Address	71 Alc	lie Street, #3		•		•					
Mailing Address (ln. 2)	City	Allston	State	MA	ZIP	02134	Coun	try	US		

Name of Additional Join	t Inventor, if any:				A petition has been filed for this unsigned inventor					
Given Nam	e (first :	and middle [if ar	ـــــــــــــــــــــــــــــــــــــ			Fami	ily Name	or Su	rname	
Christopher T.	<u> </u>		-2.4/		Calderone					• -
Inventor's Signature				<del></del>			Date	_		· .
Residence	City	Cambridge	State	MA	Country	US		Citiz	enship	US
Mailing Address	6 Ply	mouth Street, #	1							
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Coun	itry		US
Name of Additional Join	t Inven	tor, if any:			☐ A petit	ion has been t	filed for	this u	nsigned	inventor
Given Name	e (first a	and middle [if an	ıy])			Fami	ly Name	or Su	rname	
Matthew W.					Kanan					
Inventor's Signature							Date			
Residence	City	Cambridge	State	MA	Country	US		Citize	enship	US
Mailing Address	44 Langdon Street									
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Coun	itry		US
Name of Additional Joint Inventor, if any:										
Name of Additional Join	t Inven	tor, if any:			☐ A petit	ion has been t	filed for	this ur	nsigned	inventor
		tor, if any: and middle [if an	<u>y])</u>				filed for ly Name			inventor
			y])		A petit					inventor
Given Name									rname	3 o / • 3
Given Name Xiaoyu				MA		Fami	ly Name	or Su	rname	3 0 / 0 3 2's Republic of
Given Name Xiaoyu  Inventor's Signature	City	and middle [if an	State		Li	Fami	ly Name	or Su	rname (o/	3 0 / 0 3 2's Republic of
Given Name Xiaoyu  Inventor's Signature  Residence	City	Cambridge	State		Li	Fami	ly Name	or Su	rname (o/	3 0 / 0 3 2's Republic of
Given Name Xiaoyu  Inventor's Signature Residence  Mailing Address	City  22 Mz City	Cambridge Cambridge Cambridge	State 3	MA	Li Country	Fami	Date Citizens Coun	ship	(of	3 0 / 0 3 e's Republic of US
Given Name Xiaoyu  Inventor's Signature  Residence  Mailing Address  Mailing Address (In. 2)  Name of Additional Joint  Given Name	City  City  City  City  City  City	Cambridge Cambridge Cambridge	State State	MA	Li Country ZIP A petiti	Fami US 02141 ion has been f	Date Citizens Coun	ship try	People China	3 0 / 0 3 e's Republic of US
Given Name Xiaoyu  Inventor's Signature  Residence  Mailing Address  Mailing Address (ln. 2)  Name of Additional Joint	City  City  City  City  City  City	Cambridge Cambridge Cambridge tor, if any:	State State	MA	Li Country	Fami US 02141 ion has been f	Date Citizens Coun	ship try	People China	3 0 / 0 3 e's Republic of US
Given Name Xiaoyu  Inventor's Signature  Residence  Mailing Address  Mailing Address (In. 2)  Name of Additional Joint  Given Name	City  City  City  City  City  City	Cambridge Cambridge Cambridge tor, if any:	State State	MA MA	Li Country ZIP A petiti	Fami US 02141 ion has been f	Date Citizens Coun	ship try	People China	3 0 / 0 3 e's Republic of US
Given Name Xiaoyu  Inventor's Signature  Residence  Mailing Address  Mailing Address (ln. 2)  Name of Additional Joint  Given Name Thomas M.	City  City  City  City  City  City	Cambridge Cambridge Cambridge tor, if any:	State State	MA MA	Country  ZIP  A petiti	Fami US 02141 ion has been f	Date Citizens Coun filed for	ship try	People China	3 0 / 0 3 e's Republic of US
Given Name Xiaoyu  Inventor's Signature  Residence  Mailing Address  Mailing Address (ln. 2)  Name of Additional Joint  Given Name Thomas M.  Inventor's Signature	City  City  City  City  City  City  City	Cambridge arcella Street, # Cambridge tor, if any:	State  State  State  State	MA MA	Country  ZIP  A petiti	Famil US 02141 ion has been f	Date Citizens Coun filed for	ship try	People China	30/03 e's Republic of US inventor

Name of Additional Joint Inventor, if any:					A petition has been filed for this unsigned inventor						
Given Nam	e (first	and middle [if a	ldle [if any])				Family Name or Surname				
Daniel M.						Rosenbaum					
Inventor's Signature							Date				
Residence	City	Somerville	State	MA	Country	US	Cit	izenship	US .		
Mailing Address	69 Be	69 Beacon Street, #3									
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Country		US		

DECLARATION	AND POWER	Attorn	ey Docket No.	LS5-0	001						
OF ATTORNEY I	FOR UTILITY &	First N	Vamed Inventor	Liu							
OR DES	JAN 2 0 2004	-	·	OMPLI	ETE IF KNOW	ŹN					
PATENT APP	LICATION	Applie	cation Serial Number	10/64	3,752						
<u></u>	Declaration	Filing	Date	Augu	st 19, 2003						
_	bmitted after Initial		Art Unit		et assigned						
	ing (surcharge	Exam	ner Name	Noty	et assigned						
37	CFR 1.16(e) required)			ļ		····					
	As a below named inventor. Thereby declare that:										
As a below named inventor, I hereby declare that:  My residence, mailing address, and citizenship are as stated below next to my name.											
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural											
I believe I am the original, fin names are listed below) of the	names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:										
	EVOLVING NEW MOLECULAR FUNCTION										
(Title of the Invention)											
the specification of which											
is attached hereto OR											
was filed on (MM/DD/YYYY)	08/19/2003		as United States Appli	lication	Serial Number	or PCT Internations	al .				
Application Number 1	0/643,752 and	was ame	nded on (MM/DD/YYY	Y) [		(if applicable).					
I hereby state that I have revi any amendment specifically i		contents	s of the above-identified	d applic	ation, includin	g the claims, as ame	ended by				
I acknowledge the duty to dis 1.56, including for continuation of the prior application and the	sclose to the Patent Office on-in-part applications, i	material	information known by	me whi	ch became avai	llable between the fi	37 CFR ling date				
I hereby claim foreign priorit certificate(s), or 365(a) of an America, listed below and ha certificate(s), or of any PCT	y benefits under 35 U.S.0 y PCT international appli ve also identified below,	C. 119(a) ication w	o-(d) or (f), or 365(b) of thich designated at leas king the box, any foreig	of any fo st one co gn appli	reign application ountry other that cation for pates	on(s) for patent, or in the United States ont, or inventor's	of				
Prior Foreign Application	memational application	<u>ilavilig a</u>	Foreign Filing Dar	te	Priority	Certified Copy A	ttached?				
Number(s)	Country	-	(MM/DD/YYYY		Not Claimed	YES N	0				
			,								
	Additional foreign application numbers are listed on a supplemental priority data sheet attached hereto.										
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.  Application Serial Number(s) Filing Date (MM/DD/YYYY)											
60/404,395			08/19/2002								
60/419,667			10/18/2002								
60/432,812			12/11/2002								
60/444,770		•	02/04/2003	j							
60/457,789		03/26/2003									
60/469,866			05/12/2003								
60/479 494											

DECLARATION – Utility or Design Patent Application									
I hereby claim the benefit under 35 U United States of America, listed below States or PCT International application which is material to patentability as d PCT international filing date of this a	w and, insofar as the subje on in the manner provided lefined in 37 CFR 1.56 wh	ct matter of e	each of the claims of this applicate aragraph of 35 U.S.C. 112, I ack	tion is not d nowledge tl	lisclosed in the prior United he duty to disclose information				
U.S. Parent Application o Serial Number			arent Filing Date MM/DD/YYYY)	P	Parent Patent Number (if applicable)				
·									
☐ Additional U.S. or PCT internation	onal application numbers a	are listed on a	supplemental priority data shee	t attached h	ereto.				
As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the and Trademark Office connected therewith:  OR  Registered practitioner(s) name/registration number listed below									
	Registration	n			Registration				
Name	Number		Name		Number				
Andrew F. Abramson Steven M. Bauer Mark L. Beloborodov John V. Bianco Robert S. Blasi Michael H. Brodowski Jennifer A. Camacho Joseph A. Capraro, Jr. Fangli Chen Christopher H. Chung John J. Cotter James C. De Vellis Robert V. Donahoe Brian A. Fairchild James E. Fajkowski Jason P. Fiorillo John V. Forcier Steven J. Frank Kia L. Freeman Brian M. Gaff Edward A. Gordon	52,538 31,481 50,773 36,748 50,389 41,640 43,526 36,471 51,551 50,351 38,116 52,814 46,667 48,645 54,089 52,892 42,545 33,497 47,577 44,691 54,130		Duncan A. Greenhalgh William R. Haulbrook Ira V. Heffan Douglas J. Kline M. Brad Lawrence William A. Meunier Thomas C. Meyers Jennifer G. Moitoso Ronda P. Moore Jeremy P. Oczek Jamie H. Rose Christopher W. Stamos Diana M. Steel Robert J. Tosti Thomas A. Turano Natasha C. Us Christine C. Vito Daniel A. Wilson Gerald E. Worth	53 41 35 47 41 36 51 44 50 45 35 43 35 44 39 45	,678 ,002 ,059 ,574 ,210 ,1193 ,989 ,752 ,244 ,794 ,054 ,370 ,153 ,393 ,722 ,381 ,061 ,508 ,238				
Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.									
Direct all correspondence to:  Patent Administrator Testa, Hurwitz & Thibeault, LLP High Street Tower 125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100									

Name of Sole or First Inv	entor:		<u> </u>	ПАр	petition has been filed for this unsigned inventor					
Given Name	(first a	nd middle [if ar	ıy])			Family	Name	or Surnam	e	
David R.					Liu					
Inventor's Signature	"				Date					
Residence	City	Lexington	State	MA	Country	US		Citizenshi	US	
Mailing Address	1 Fox	Fox Run Lane								
Mailing Address (ln. 2)	City	Lexington	State	MA	ZIP	02420	Coun	try	US	
Additional inventors a	re being	named on the	Sl	ipplemental	Additional I	nventor(s) shee	et(s) att	ached here	0.	
Name of Additional Join		A petition	has been filed	for thi	is unsigned	inventor				
Given Name (first and middle [if any])						Famil	y Nam	e or Surnar	ne	
Zev J.					Gartner					
Inventor's Signature							Date			
Residence	City	Somerville	State	MA	Country	US		Citizenshi	US	
Mailing Address	66 Din	nick Street, #1						•		
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Coun	try	US	
Name of Additional Join	t Invent	or, if any:			☐ A petit	ion has been fi	led for	this unsign	ed invento	or
Given Name	e (first a	nd middle [if ar	ıy])			Family	/ Name	or Surnam	e	
Jeffrey B.					Doyon					٠.
Inventor's Signature							Date			
Residence	City	Allston	State	MA	Country	US		Citizenshi	US	
Mailing Address	71 Ald	lie Street, #3						•		
Mailing Address (ln. 2)	City	Allston	State	MA	ZIP	02134	Coun	itry	US	

Name of Additional Join	nt Inventor, if any:				A petition has been filed for this unsigned inventor					
Given Nam	e (first	and middle [if ar	ıyl)			Fami	ly Name	or Surname		
Christopher T.					Calderone					
Inventor's Signature							Date			
Residence	City	Cambridge	State	MA	Country	US		Citizenship	US	
Mailing Address	6 Ply	mouth Street, #	1							
Mailing Address (ln. 2)	City	City Cambridge State MA			ZIP	02141	Count	гу	US	
	Name of Additional Joint Inventor, if any:				☐ A petit	tion has been f	iled for t	his unsigned	l inventor	
Given Nam	e (first	and middle [if an	ıy])			Famil	y Name	or Surname		
Matthew W.					Kanan					
Inventor's Signature						•	Date			
Residence	City	Cambridge	State	MA	Country	US	1	Citizenship	US	
Mailing Address	44 La	44 Langdon Street								
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Counti	ry .	US	
Name of Additional Join	t Inven	tor, if any:			☐ A petit	ion has been f	iled for tl	his unsigned	inventor	
Given Name	e (first a	and middle [if an	y])			Famil	y Name o	or Surname		
Xiaoyu					Li					
Inventor's Signature					-0		Date			
Residence	City	Cambridge	State	MA	Country	US	Citizensh	ip Peopl China	e's Republic of	
Mailing Address	22 M:	arcella Street, #	3			-				
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Countr	У	US	
Name of Additional Join	t Inven	tor, if any:			☐ A petit	ion has been fi	iled for th	nis unsigned	inventor	
Given Name	e (first a	and middle [if an	y])			Famil	y Name o	or Surname		
Thomas M.	Thomas M.				Snyder	ngder				
Inventor's Signature							Date 10/30	0/03		
Residence	City	Cambridge	State	MA	Country	US	. (	Citizenship	US	
Mailing Address	70 Ki	rkland Street, #	9							
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Countr	у	US	

Name of Additional Join	A petition has been filed for this unsigned inventor										
Given Nam	e (first	and middle [if a	ny])		Family Name or Surname						
Daniel M.	٠.	-	-		Rosenbaum	Rosenbaum					
Inventor's Signature			<del></del>		Date						
Residence	City	Somerville	State	MA	Country	US		Citizenship	US		
Mailing Address	69 Be	59 Beacon Street, #3									
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Cour	itry	US		

DECLARATI	ION AND POW	Attorn	Attorney Docket No. LS5-001							
OF ATTORN	EY FOR UTILI	TY First 1	Named Inventor	Liu ·						
OR	DESIGN JAN 2	2004	COM	MPLETE IF KNOW	VN .					
PATENT A	APPLICATION	FINARM GR Applic	cation Serial Number	10/643,752						
☐ Declaration	□ Declaration	Filing	Date	August 19, 2003						
Submitted with	Submitted after Init	tial Group	Art Unit	Not yet assigned						
Initial Filing	Filing (surcharge			Not yet assigned						
	37 CFR 1.16(e) req	juired)								
<u></u>			<del></del>							
As a below named inventor, I hereby declare that:										
My residence, mailing	address, and citizenshi	p are as stated be	low next to my name.							
I believe I am the origi	nal, first and sole inve	ntor (if only one	name is listed below) or a	n original, first and	joint inventor (if plural					
names are listed below	) of the subject matter	which is claimed	and for which a patent is	sought on the inver	ntion entitled:					
	F	EVOLVING NEV	MOLECULAR FUNCT	TON						
		(Title	of the Invention)							
the specification of wh										
	OR									
was filed on (MM/DD/YYYY)	was filed on 08/19/2003 as United States Application Serial Number or PCT International									
Application Number	10/643,752	and was ame	nded on (MM/DD/YYYY)		(if applicable).					
I hereby state that I have any amendment specific			s of the above-identified a	pplication, including	ng the claims, as amended by					
-	*		rmation known by me to	be material to pater	tability as defined in 37 CFR					
1.56, including for con	tinuation-in-part appli	cations, material	information known by me	which became ava	ilable between the filing date					
			iling date of the continua		on(s) for patent, or inventor's					
certificate(s), or 365(a)	of any PCT internatio	nal application w	hich designated at least o	ne country other th	an the United States of					
America, listed below	and have also identified	d below, by check	king the box, any foreign	application for pate	ent, or inventor's					
Prior Foreign Applies	ation	nication naving a	filing date before that of  Foreign Filing Date	Priority	Certified Copy Attached?					
Number(s)		ountry	(MM/DD/YYYY)	Not Claimed	YES NO					
				$\parallel$						
A d dia:1 &	anaign application sum	hare are listed on	a supplemental priority d	ata sheet attached b	pereto .					
			a supplemental priority of States provisional apple							
Application Ser			ate (MM/DD/YYYY)							
60/404			08/19/2002	· .						
60/419	9,667		10/18/2002							
60/43										
60/444	4,770	0	02/04/2003							
60/45	7,789		03/26/2003							
60/469	9,866		05/12/2003							
60/479	9,494									

DECLAR	RATION – U	tility o	r Design Patent	Ap	plication			
I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c), of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.								
U.S. Parent Application of Serial Number			arent Filing Date MM/DD/YYYY)		Parent Patent Number (if applicable)			
		,						
☐ Additional U.S. or PCT internation	onal application numbers	are listed on a	supplemental priority data sheet	attached	hereto.			
As a named inventor, I hereby appoin and Trademark Office connected ther	ewith: Customer N OR	umber	ctitioners to prosecute this application and to transact all business in the Patent ber  Place Customer Number Bar Code Label Here  ctitioner(s) name/registration number listed below					
	Registratio	n ·	<u> </u>	<del></del>	Registration			
Name	Number	•	Name		Number			
Andrew F. Abramson Steven M. Bauer Mark L. Beloborodov John V. Bianco Robert S. Blasi Michael H. Brodowski Jennifer A. Camacho Joseph A. Capraro, Jr. Fangli Chen Christopher H. Chung John J. Cotter James C. De Vellis Robert V. Donahoe Brian A. Fairchild James E. Fajkowski Jason P. Fiorillo John V. Forcier Steven J. Frank Kia L. Freeman Brian M. Gaff Edward A. Gordon	52,538 31,481 50,773 36,748 50,389 41,640 43,526 36,471 51,551 50,351 38,116 52,814 46,667 48,645 54,089 52,892 42,545 33,497 47,577 44,691 54,130		Duncan A. Greenhalgh William R. Haulbrook Ira V. Heffan Douglas J. Kline M. Brad Lawrence William A. Meunier Thomas C. Meyers Jennifer G. Moitoso Ronda P. Moore Jeremy P. Oczek Jamie H. Rose Christopher W. Stamos Diana M. Steel Robert J. Tosti Thomas A. Turano Natasha C. Us Christine C. Vito Daniel A. Wilson Gerald E. Worth	5 4 3 4 4 4 5 5 4 4 3 3 4 4 3 3 4 4 4 3 3 4 4 4 4	18,678 13,002 11,059 15,574 17,210 11,193 16,989 11,752 14,244 10,794 15,054 15,370 13,153 15,393 15,722 14,381 19,061 15,508 15,238			
Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.								
Direct all correspondence to:	Patent Administrates, Hurwitz & High Street Tow 125 High Street Boston, MA 021 Tel. No.: (617) 2 Fax No.: (617) 2	2 Thibeault, er 10 48-7000	LLP					

Name of Sole or First Inventor:											
Given Name (first and middle [if any])					- Family Name or Surname						
David R.					Liu						
Inventor's Signature							Date				
Residence	City	Lexington	State	MA	Country	US		Citizenship	US		
Mailing Address	1 Fox	Run Lane	<u> </u>	l							
Mailing Address (ln. 2)	City	Lexington	State	MA	ZIP .	ZIP 02420 Countr		itry	US		
Additional inventors a	are being	g named on the	SI	upplement	al Additional I	nventor(s) she	et(s) at	tached hereto.			
Name of Additional Joint Inventor, if any:  A petition has been filed for this unsigned inventor								ventor			
Given Name (first and middle [if any])					Family Name or Surname						
Zev J.					Gartner	Gartner					
Inventor's Signature					•		Date				
Residence	City	Somerville	State	MA	Country	US		Citizenship	US		
Mailing Address	66 Din	nick Street, #1		l		<u> </u>					
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Country		US		
Name of Additional Joint Inventor, if any:  A petition has been filed for this unsigned inventor									inventor		
Given Name (first and middle [if any])					Family Name or Surname						
Jeffrey B.					Doyon						
Inventor's Signature						Date					
Residence	City	Allston	State	MA	Country	US	•	Citizenship	US		
Mailing Address	71 Aldie Street, #3							•			
Mailing Address (ln. 2)	City	Allston	State	MA	ZIP	02134	Country US				

Name of Additional Joint Inventor, if any:				A petition has been filed for this unsigned inventor							
Given Name (first and middle [if any])					Family Name or Surname						
Christopher T.	on reality (mot and massic (it any ))				Calderone						
Inventor's Signature						Date					
Residence	City	Cambridge	State	MA	Country	US	Citi	zenship	US		
Mailing Address	6 Plymouth Street, #1										
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP 02141 Country US						
Name of Additional Joint Inventor, if any:				☐ A petition has been filed for this unsigned inventor							
Given Nam	e (first a	and middle [if an	y])		-	Famil	y Name or S	urname			
Matthew W.					Kanan						
Inventor's Signature							Date				
Residence	City	Cambridge	State	MA	Country	US	Citi	zenship	US .		
Mailing Address	44 La	ngdon Street									
Mailing Address (ln. 2)	City	Cambridge	State	MĄ	ZIP 02138 Country US						
Name of Additional Joint Inventor, if any:			A petition has been filed for this unsigned inventor								
Given Name (first and middle [if any						Family	y Name or S	urname			
Xiaoyu Li											
Inventor's Signature					Date						
Residence	City	Cambridge	State	MA	Country	US C	Citizenship	Peopl China	e's Republic of		
Mailing Address	22 Marcella Street, #3										
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02141	Country		US		
Name of Additional Joint Inventor, if any:					☐ A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])				Family Name or Surname							
Thomas M. Snyder											
Inventor's Signature							Date .				
Residence	City	Cambridge	State	MA	Country	US	Citiz	zenship	US		
Mailing Address	70 Kirkland Street, #9										
Mailing Address (ln. 2)	City	Cambridge	State	MA	ZIP	02138	Country US		US		

Name of Additional Joint Inventor, if any:					A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])					Family Name or Surname					
Daniel M.				Rosenbaum	1					
Inventor's Signature	/				Date 11/3/03					
Residence	City	Somerville	State	MA	Country	US	/	Citizenship	US .	
Mailing Address	69 Beacon Street, #3									
Mailing Address (ln. 2)	City	Somerville	State	MA	ZIP	02143	Cou	ntry	US	